



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

## \*BIBDATASHEET\*

CONFIRMATION NO. 3173

Bib Data Sheet

SERIAL NUMBER 10/709,174	FILING DATE 04/19/2004  RULE	CLASS 257	GROUP ART UNIT 2818	ATTORNEY DOCKET NO. 21806-00115-US1
-----------------------------	---------------------------------------	--------------	------------------------	--

## APPLICANTS

Jonathan Chapple-Sokol, Essex Junction, VT;

Randy Mann, Jericho, VT;

William Murphy, Essex Junction, VT; Jed Rankin, South Burlington, VT;

Daniel Vanslette, Highgate Springs, VT;

## \*\* CONTINUING DATA \*\*\*\*\*

This application is a DIV of 09/826,036 04/04/2001 PAT 6,762,121

yes UKT

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

none UKT

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 06/24/2004

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY VT	SHEETS DRAWING 2	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance	Verified and Acknowledged Examiner's Signature <u>WJ</u> Initials			

## ADDRESS

42221

CONNOLLY BOVE LODGE &amp; HUTZ LLP

IBM MICROELECTRONICS DIVISION

1990 M STREET NW, SUITE 800

WASHINGTON, DC

20036-3425

## TITLE

METHOD OF FORMING REFRACTORY METAL CONTACT IN AN OPENING, AND RESULTING STRUCTURE

FILING FEE  RECEIVED 770	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
-----------------------------------	---	---